Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/30/2017 10:47 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124343	-1	1.88	124186	1.88
Blue	F	SSC	125000	123642	-2	3.55	124077	3.45
Blue	E	FITC	23355	22480	-4	2.61	1003	10.24
Blue	D	PE	28848	28356	-2	2.22	1020	10.06
Blue	B	PerCP-Cy5-5	47791	47224	-2	3.59	1348	16.85
Blue	A	PE-Cy7	41358	41012	-1	5.27	632	35.27
Red	C	APC	51316	50816	-1	2.77	2927	9.38
Red	A	APC-Cy7	53225	52592	-2	2.80	1090	11.09
Violet	B	V450	14473	13686	-6	3.48	659	9.00
Violet	A	V500	59973	59198	-2	3.22	2633	6.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19380	3.15	607	9	N/A	N/A	Pass
Blue	F	SSC	61598	2.09	539	5	N/A	N/A	Pass
Blue	E	FITC	111	38.83	541	-3	0.0209	148	Pass
Blue	D	PE	223	29.12	537	-1	0.1487	213	Pass
Blue	B	PerCP-Cy5-5	211	44.76	627	-3	0.0103	102	Pass
Blue	A	PE-Cy7	71	112.57	678	-3	0.0120	9	Pass
Red	C	APC	342	27.23	591	-3	0.0207	57	Pass
Red	A	APC-Cy7	119	40.30	570	-6	0.0058	1757	Pass
Violet	B	V450	79	42.80	478	7	0.0418	1711	Pass
Violet	A	V500	191	22.18	511	10	0.0127	45	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.00	-31.45	0.82
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.33
Red	18.78	13.27 - 19.91	N/A	N/A	31.50	32.02	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9844

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments